AWIPS APPLICATION INSTALLATION INSTRUCTION NOTE 4
(for Electronics Systems Analyst)
Maintenance, Logistics, and Acquisition Division
W/OPS12: JCS

SUBJECT	:	AvnFPS 1.0 **Full** Software Installation Instructions
PURPOSE	:	To issue AvnFPS 1.0 **Full** software installation instructions.
EFFECTIVITY	:	All CONUS and OCONUS AWIPS WFO sites must install AvnFPS 1.0 release. This mod note does not cover delta upgrades for AvnFPS 1.0 alpha or beta sites. Those procedures will be addressed in a separate mod note. The list of sites not covered by this mod note are provided.
PREINSTALLATION REQUIREMENTS	:	For full install: OB1 must be installed on your AWIPS system.
ESTIMATED TIME REQUIRED	:	Approximately 15 minutes.
EFFECT ON OTHER INSTRUCTIONS	:	None.
AUTHORIZATION	:	The authority for this modification note is Request for Change AB573.
VERIFICATION STATEMENT	:	The AvnFPS 1.0 **Full** installation procedures were tested and verified on OS&T's NMTW test platform in Silver Spring, MD.
SECURITY LEVEL	:	root
TECHNICAL SUPPORT	:	For questions or problems regarding these installation instructions or installing this release, please contact the NCF at (301) 713-9344. For questions on this installation note, please contact Jagdish Sharma at (301) 713-1833 x128.

GENERAL:

The AvnFPS 1.0 **Full** installation upgrade kit includes two files pushed to each site's
`/data/local/avnfps` directory labeled, (1) **`AVNFPS1.0.tar.gz,`**
(2) **`installAVNFPS.sh.`**, and dated July 21, 2003.

NOTE: Refer to the web address provided below for the following AvnFPS 1.0 (full) related material:

- Introduction
- AvnFPS1.0 User's Guide
- Release Notes
- Installation Instructions
- Frequently Asked Questions (FAQs)/AvnFPS Troubleshooting
- Support
- Lessons Learned
- AvnFPS versus Aviation Workstation
- AvnFPS Tutorial
- Completing and Returning the AvnFPS1.0 Feedback Assessment Form (Only to be completed and returned by AvnFPS Alpha and Beta Sites)
- AvnFPS ListServer (Not presently an active link)
- Sample AvnFPS Install Log
- Sample AvnFPS Deinstall Log

http://www.nws.noaa.gov/mdl/icwf/AVNFPS1.0/AvnFPS1.0.html

AvnFPS1.0 Delivered Functionality

● AvnFPS is designed to ease monitoring, improve production, and facilitate Quality Control (QC) of Terminal Aerodrome Forecasts (TAFs) and Transcribed Weather Enroute Broadcasts (TWEBs)

   A. AvnFPS monitoring capability gives forecasters quick and continuous feedback on TAFs as well as associated observations.
   B. This monitoring capability consists of a color coded scheme and is site configurable.
   C. The TAFs, the guidance, and the current observations are displayable as both text and graphics.
   D. The display of either text or graphics is controlled by the forecaster.
   E. The local office also has another feature when it comes to amendment criteria, the local office can configure each airport to display additional criteria such as cross winds and different cig/vis. This is known as Airport Specific TAF Amendment Criteria (ASTEC).

● To learn more about these new features, go to the AvnFPS1.0 User's Guide at:

   http://www.nws.noaa.gov/mdl/icwf/AVNFPS1.0/AvnFPS1.0.html

AvnFPS vs. Aviation Workstation

● The layout of the AvnFPS buttons are similar, but not the same as that of the Aviation Workstation. AvnFPS will take some minor transition time to understand the various new features of the software. It is reasonable to use AvnFPS for at least a week or two before making a complete evaluation of the system.

● Upon first starting AvnFPS, each forecaster should set up his/her own AvnFPS monitor and editor fonts, since the default font may be too small. Changing the font style can be accomplished by running "Setup," which is found under the "Options" menu-button.

● Many offices using the Aviation Workstation preferred to have the TAFs automatically print upon transmission. The AvnFPS also has this capability and can be toggled to print by running "Setup."

● The AvnFPS has several additional features not provided in the Aviation Workstation. Some of those new features include:

   A. The AvnFPS allows the forecaster to visually monitor each forecast parameter (wx, vsby, wnd, cig).
   B. The AvnFPS provides a capability to easily monitor the time of the last TAF and Metar.
   C. The AvnFPS provides both visual and audible alerts whenever a new discrepancy between the TAF and Metar occurs.
   D. The start-up of the AvnFPS monitor screen is slower than the Aviation Workstation, but once the software is up, the program run-time is similar.

NOTE: AvnFPS 1.0 Tutorial

In addition to the AvnFPS 1.0 Users Guide, a tutorial has been provided, per the AvnFPS 1.0 web page, for your convenience. The tutorial can be viewed at the following link:
     http://www.nws.noaa.gov/mdl/icwf/AVNFPS1.0/AvnFPS1.0.html

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GENERAL INSTALLATION GUIDELINES:

● NCF upgrade support is available from 7 a.m. to 7 p.m. EDT, Monday through Thursday.

● OCONUS sites requiring upgrade assistance outside the set support hours on Thursdays, must coordinate through their AWIPS regional focal point. If the NCF is not advised ahead of time, they will assume a scheduled OCONUS site will follow the set support hours.

INSTALLATION PROCEDURE

Refer to the following web address for AvnFPS 1.0 Full installation instructions:

http://www.nws.noaa.gov/mdl/icwf/AVNFPS1.0/AvnFPS1.0.html

ALPHA/BETA SITE LIST

The following site installs are not covered by this mod note.

AFC - Anchorage, AK	AFG - Fairbanks, AK	AJK - Juneau, AK
ALY - Albany, NY	BGM - Binghamton, NY	BIS - Bismark, ND
BOX - Boston/Taunton, MA	BUF - Buffalo, NY	CAR - Caribou, ME
CTP - Central PA WFO	DVN - Quad Cities WFO	EYW - Key West, FL
GYX - Quad Cities WFO	HFO - Honolulu, HI	HGX - Houston/Galveston WFO
ILM - Wilmington, NC	ILN - Cincinnati WFO	IWX - Northern Indiana WFO
LCH - Lake Charles, LA	LMK - Louisville, KY	LSX - St Louis, MO
LWX - Baltimore/Washington WFO	MKX - Milwaukee, WI	MRX - Morristown, TN
MSO - Missoula, MT	OKX - New York City WFO	OTX - Spokane, WA
PBZ - Pittsburgh, PA	PQR - Portland, OR	RNK - Roanoke WFO
SGX - San Diego, CA	SJU - San Juan WFO	TBW - Tampa, FL
UNR - Rapid City, SD		

REPORTING INSTRUCTIONS:

Report the completed modification using the Engineering Management Reporting System (EMRS) according to the instructions in NWS Instruction 30-2104, Maintenance Documentation, Part 4, Appendix F. Include the following information on the EMRS Report:

Block #	Block Type	Information
5	Description	Install AvnFPS 1.0
7	Equipment Code	AWIPS
8	Serial Number	001
15	Comments	Downloaded and installed AvnFPS version 1.0 I.A.W. AWIPS Application Installation Instructions Note 4
17a	Mod. No.	AS4

A sample EMRS report is provided as attachment A.

Mark S. Paese
Director, Maintenance, Logistics, and Acquisition Division

Attachment A - EMRS Report Sample

Attachment A - EMRS Report Sample